



hf Happenings 866

Volume 19, Issue 23, the week of 23 September 2019

HF Happenings from www.sarl.org.za/hf_happenings.asp

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssota.wordpress.com>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>



A Braai is what you do when you put meat over hot coals!
A barber queue (abbreviated BBQ) is a bunch of guys waiting for a haircut and a barbie is a plastic doll.

The SARL 80 m Club Sprint

The Contest Committee received 57 logs and one checklog for the 4th leg of the 80 m Club Sprint. 900 QSOs are reflected in the 57 logs (897 SSB and 3 CW).

- 1st the Boland ARC – 1 287 points (20 logs)
- 2nd the West Rand ARC – 868 points (19 logs)
- 3rd the Bo-Karoo ARC – 327 points (9 logs)
- 4th the Bloemfontein ARC – 176 points (2 logs)
- 5th the Hibiscus Coast ARC – 86 points (5 logs)
- 6th the Cape Town ARC – 61 points (1 log)
- 7th the Namibian ARL – 33 points (1 log)
- 8th the Secunda ARC – 22 points (1 log)

Overall results

- 1st the Boland ARC – 2 397 points
- 2nd the West Rand ARC – 2 263 points (-134 points)
- 3rd the Bo-Karoo ARC – 1 633 points
- 4th the Bloemfontein ARC – 470 points
- 5th the Hibiscus Coast ARC – 426 points
- 6th the Highway ARC – 416 points
- 7th the Midlands ARC – 161 points
- 8th the Cape Town ARC – 159 points
- 9th the Sandton ARC – 85 points

September

- 23 - Closing date for NFD logs
- 24 – ZS SOTA Day; National Braai Day / Heritage Day
- 26 to 29 - SA Bull Run, Vanwyksvlei
- 26 - World Maritime Day
- 27 - World Tourism Day
- 27 and 28 – Fish River Canoe Marathon, Cradock
- 28 and 29 - CQ WW RTTY contest
- 29 - Closing date Africa All Mode logs
- 30 - Rosh Hashana

October

- 1 – Provincial schools open (and parents rejoice)
- 3 – SARL 80 m QSO Party
- 5 – AWA AM Valve QSO Party
- 6 – AWA SSB Valve QSO Party; RSGB DX Contest
- 12 – Spring QRP Contest
- 18 to 20 – Jamboree on the Air
- 19 – RAE and CQ Hou Koers
- 19 and 20 – Worked all Germany contest
- 26 and 27 – CQ WW DX SSB Contest



10th the Secunda ARC – 54 points
11th PEARS – 50 points
12th the Sandringham Scouts – 44 points
12ath the Namibian ARL – 33 points

First leg: 44 logs and 722 QSOs; Second leg: 38 logs and 296 QSOs; Third leg: 51 logs and 560 QSOs;
Fourth leg: 57 logs and 900 QSOs; Fifth leg: 18 November 2019

1st Johan, ZS1A – 141 points
2nd David, ZS1DDK – 123 points
3rd Carl, ZS1KM and Jan, ZS4JAN – 98 points
5th Adriaan, ZS1ADL – 94 points
6th Cliff, ZS6BJU – 83 points
7th Granville, ZS1GVW and Dennis, ZS4BS – 78 points
9th Andre, ZS1AN – 75 points
10th Romeo, ZS6ARQ – 74 points
11th Karl, ZS1KC – 71 points
12th Kobus, ZS6BOS – 68 points
12ath Anthony, ZS1ANT – 67 points
14th Albert, ZS1AK – 64 points
15th Geoff, ZS6C – 62 points
16th Celso, ZS1MYG – 61 points
17th Sybrand, ZS1SJ – 60 points
18th Trevor, ZS1TR – 59 points
19th Andrew, ZS6AN – 58 points
20th Casey, ZS1AAS – 57 points
21st Rassie, ZS1YT – 53 points
22nd Andre, ZS1F, Glen, ZS6GGA, Karin, ZS6MMA and Shane, ZS6SC – 52 points
26th Woody, ZS3WL and Clarissa, ZS6LIS – 48 points
28th Jadranko, ZS6DJA – 47 points
29th Fred, ZS1ZV and Wynand, ZS6WY – 44 points
31st Lenord, ZS1AM, Alta, ZR3PA, Thanie, ZS4AZ, Heather, ZS5YH and Phillip, ZS6PVT – 43 points
36th Christo, ZS1BOK and Gert, ZR6GRT – 42 points
38th Johan, ZS6DC – 40 points
39th Peter, ZS1JX – 39 points
40th Louis, ZS1JLB and Ean, ZS1PR – 38 points
42nd Heinrich, V51HZ and Awie, ZS6AVI – 33 points
44th Juanita, ZS2YO – 31 points
45th Vaughn, ZS6VLR – 30 points
46th Gawie, ZS5R – 29 points
47th Simone, ZS6SIM – 26 points
48th Lionel, ZS6DLP – 25 points
49th Lucas, ZS6ACT – 22 points
50th Pieter, ZS2OB – 20 points
51st Beverley, ZR6BVT and Lodie, ZS6LVT – 19 points
53rd Emil, ZS1XB – 18 points
54th David, ZS6ACC – 17 points
55th Fritz, ZS1KRF – 9 points
56th Brian, ZS5SB and Jess, ZS5YAT – 7 points

Festival of Frequency Measurement Set to Honour WWV Centennial



HamSCI and the Case Amateur Radio Club of Case Western Reserve University (W8EDU) will sponsor a "Festival of Frequency Measurement" on the day of WWV's centennial, 1 October from 00:00 to 23:59 UTC (starting on Monday evening 30 September in the Americas). The event invites radio amateurs, shortwave listeners, and others capable of making high-quality frequency measurements on HF to participate and publish their data to the HamSCI community on the Zenodo open-data sharing site

<https://zenodo.org/communities/hamsci/>.

"Changes in ionospheric electron density caused by space weather and diurnal solar changes are known to cause Doppler shifts on HF ray paths," the event announcement says. "HamSCI's first attempt at a measurement of these Doppler shifts was during the August 2017 total solar eclipse. We plan a careful measurement during the 2024 eclipse."

Some of the questions the research event is hoping to answer include how WWV's 5 MHz propagation path varies over a given calendar day, and how various measurement techniques for understanding the path variations compare. The objectives are to measure Doppler shifts caused by the effect of space weather on the ionosphere, and to use a specified measurement protocol available to Amateur Radio operators and other citizen-scientists. The experiment will use 1 August 2019 (UTC) as a control date.

"The recordings in this experiment are expected to show formations of the D-layer at stations' local sunrise and other daily events of the ionosphere," the announcement said. "Space weather varies day to day and some features may be prominent. We'll see what we get!"

Full information is on the Festival of Frequency Measurement website <https://hamsci.org/wwv-centennial-festival-frequency-measurements>.

North Korea is said to be testing digital broadcasting on 80 meters

Radio World reports that the People's Democratic Republic of Korea (North Korea) has resumed testing digital radio broadcasting on the 80-metre amateur band after a 2-year absence www.radioworld.com/news-and-business/north-korea-resumes-drm-broadcasts. North Korea is transmitting with the Digital Radio Mondiale (DRM) protocol www.drm.org/. The latest transmissions on 3 560 kHz began in mid-August. "It appears unclear at this time, however, whether the current series of transmissions will soon end or be the start of a regular service," *Radio World* said. "According to radio enthusiasts in the region, the signal has been clear and very audible." *Radio World* says Voice of Korea, the North Korean international broadcasting service, has conducted DRM trials off and on since 2012.



Last three RSGB 2018 Convention lectures on YouTube

Three more RSGB 2018 Convention videos have been released to the RSGB YouTube channel at www.youtube.com/theRSGB. Rael Paster, MORTP talks on Magnetic Loop Antennas; Dave Deane, EI9FBB looks at the Irish Islands IOTA Tour of 2018 and Matthew Phillips, G6WPJ examines FreeDV, Digital Voice for HF and other low SNR channels.

There are now over 110 videos on the RSGB YouTube channel, check out www.youtube.com/theRSGB

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)



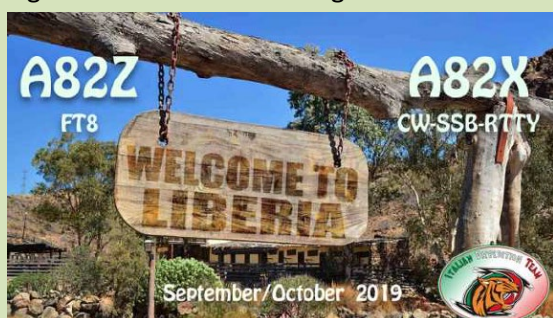
Uganda, 5X. Anton, ON6NL, is once again active as 5X8C from Entebbe until 7 October. He is mainly there working and teaching telecom training classes. He hopes to be active in the CQ WW DX RTTY

Contest (28 and 29 September), but with a simple setup. QSL via ON6NL, direct, by the Bureau or LoTW.

Tanzania, 5H. Maurizio, IK2GZU will be engaged in charity work for a hospital in Ikelu, Tanzania between 25 September and 28 October and he plans to operate as 5H3MB during his spare time on HF (SSB, CW, RTTY). QSL via ClubLog OQRS, LoTW, eQSL, IK2GZU - direct or the bureau.

African Tour - Kingdom of eSwatini and Lesotho. Pista, HA5AO, is once again active as 3DA0AO from the Kingdom of eSwatini (Swaziland) until 30 September. He will be active from the Mountain Inn Resort at Mbabane. He will use his Elecraft K3S with a KPA500 which is fed into a vertical antenna and will operate on 80 - 10 metres using mainly CW and FT8 on the higher bands. Pista has posted a long update on his Web page detailing some problems he had. His updates, QSL policy, Log search and OQRS are available at <https://www.ha5ao.com>.

Next stop for Pista is Lesotho on 1 October where he plans to stay until 19 October. He will again use the 7P8AO call sign.



Liberia, EL. The Italian DXpedition Team of I1FQH, I1HJT, I2PJA, I2YSB, IK2CIO, IK2CKR, IK2DIA, IK2HKT, IK2RZP, IZ2XAF, and JA3USA is going to put Liberia on the air with five rigs between 30 September and 11 October as A82X (CW, SSB) and A82Z (RTTY/FT8). They will be active on 160 to 10 m. QSL via I2YSB direct. <http://www.i2ysb.com/idx/>

Gabon, TR. Roland, F8EN, (ex-CN8EM/FO8BV/3C3CR/TR50R) will once again be active as TR8CR from Libreville. He will be there sometime at the end of September until 15 December. Activity will start probably early October. Operations will be mainly CW. QSL via F6AJA, direct or by the REF Bureau. The log will be posted on the LNDX Web site at <http://lesnouvellesdx.fr/voirlogs.php>. F6AJA will update when he receives a copy of the log.

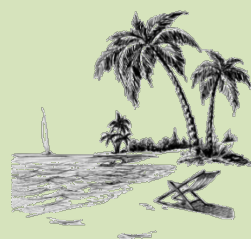
African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Seychelles, S7. Erik, NI6G, is now active as S79ES from Seychelles until 30 September. He plans to operate from Mahe, Praslin and La Digue Islands. Activity will be on various HF bands using CW and FT8. QSL via his home callsign.



Tanzania, 5H3. Elena, RC5A and Yuri, RM0F will activate Mafia Island (AF-054) from 29 September until 5 October as 5H3CA and 5H3RRC respectively on HF (SSB, CW). QSL via RC5A – direct or the bureau, ClubLog OQRS.

Seychelles, S7. Ravi, VU2IIX, will be active as S79VU from Mahe Island starting 30 September and will stay until the end of June 2021. Activity will be on 80 to 10 metres using SSB and the digital modes. Listen for his QSL instructions.

Canary Islands, EA8. SM7BHM, SM7GXR, SM4RGD, YL2KF, OH9GIT and OH2BP will be joining forces for the CQ WW RTTY DX Contest and operate together as EA8DED from Teneriffa (AF-004). QSL via OH2BP direct.

Madagascar, 5R. Hiro, JF1OCQ and Kuni, JA8VE will be active as 5R8VX and 5R8KU, respectively, from Nosy Be Island (AF-057) between 12 and 25 November. Activity will be on various HF bands using CW, SSB and the digital modes (FT4 and FT8 = FT12). QSL 5R8VX via JF1OCQ and 5R8KU via JA8VE.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 23 to 30 September 2019

Classic Exchange, Phone
13:00 UTC 22 September to 07:00 UTC 23 September and 13:00 UTC 24 September to 07:00 UTC 25 September
Geographic Focus: Worldwide
Participation: Worldwide
Mode: AM, SSB, FM
Bands: 160, 80, 40, 20, 15, 10, 6, 2 m
Classes: (see rules)
Exchange: Name, RS, state, province or country and rcvr/xmtr manuf/model
Work stations: Once per band per mode per rcvr/xmtr manuf/model
QSO Points: (see rules)
Multipliers: (see rules)
Score Calculation: Total score = sum (total mode QSO points x total mode mults) and Bonus Points
Submit logs by: 1 November 2019
E-mail logs to: k2rp@arrl.net
Mail logs to: K2RP, 659 Shanas Lane, Encinitas, CA 92024, USA
Find rules at:
www.classicexchange.org/sep19/Fall_2019_CX_Rules.pdf

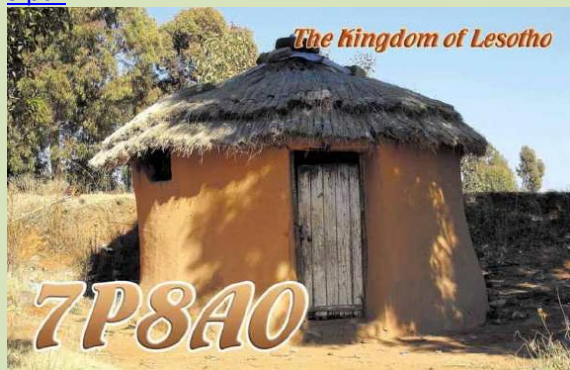
SKCC Sprint
00:00 - 02:00 UTC 25 September
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: (none)
Exchange: RST, state, province or country, name and SKCC No or power
Work stations: Once per band
QSO Points: (see rules)

Multipliers: Each state, province, or country once
Score Calculation: Total score = (total QSO points x total mults) and bonus points
Submit logs by: 23:59 UTC 27 September 2019
E-mail log summary to: (none)
Post log summary at:
www.skccgroup.com/operating_activities/weekday_sprint/submit-display.php
Mail logs to: (none)
Find rules at:
www.skccgroup.com/operating_activities/weekday_sprint/



Phone Fray
02:30 - 03:00 UTC 25 September
Geographic Focus: North America
Participation: Worldwide
Mode: SSB
Bands: 160, 80, 40, 20, 15 m
Classes: Single Op
Max power: 100 watts
Exchange: NA: Name and state, province or country; non-NA: Name
Work stations: Once per band
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory

once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 27 September 2019
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at:
[www.perluma.com/Phone Fray Contest Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)



CWops Mini-CWT Test
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 25 September and 03:00 - 04:00 UTC 26 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Member: Name and member no; non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 04:00 UTC 28 September 2019
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: <https://cwops.org/cwops-tests/>

UKEICC 80 m Contest
 20:00 - 21:00 UTC 25 September
 Geographic Focus: Europe
 Participation: Worldwide
 Mode: CW

Bands: 80 m Only
 Classes: Single Op Connected - QRP, low or high; Single Op Unconnected - QRP, low or high
 Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
 Exchange: 4-Character grid square
 QSO Points: 1 point per 500 km (10 pts max); multiply QSO points by 2 if low power station; multiply QSO points by 4 if QRP station
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 22:00 UTC 25 September 2019
 E-mail logs to: (none)
 Upload log at: <http://logs.ukiccc.com/cgi-bin/hfenter.pl>
 Mail logs to: (none)
 Find rules at: [www.ukiccc.com/which-contest/which-contest-ukiccc-80 m-contests-rules](http://www.ukiccc.com/which-contest/which-contest-ukiccc-80-m-contests-rules)

RSGB 80 m Autumn Series, Data
 19:00 - 20:30 UTC 26 September
 Geographic Focus: United Kingdom
 Participation: Worldwide
 Mode: RTTY, PSK
 Bands: 80 m Only
 Classes: 100 W; 10 W
 Exchange: RST and serial no
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 23:59 UTC 29 September 2019
 Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
 Mail logs to: (none)
 Find rules at:
www.rsgbcc.org/hf/rules/2019/rautumn.shtml

NCCC RTTY Sprint
 01:45 - 02:15 UTC 27 September
 Geographic Focus: North America
 Participation: Worldwide
 Mode: RTTY
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial No, name and QTH
 Score Calculation: Total score = total QSO points x total mults

Submit logs by: 29 September 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rtytyns.html

NCCC Sprint
02:30 - 03:00 UTC 27 September
Geographic Focus: North America
Participation: Worldwide
Mode: CW
Bands: (see rules)
Classes: (none)
Exchange: Serial No, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 29 September 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rules.html

CQ Worldwide DX RTTY Contest
00:00 UTC 28 September to 24:00 UTC 29 September
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: RTTY
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op All Band - QRP, low or high; Single Op Single Band - QRP, low or high; Single Op Assisted All Band - QRP, low or high; Single Op Assisted Single Band - QRP, low or high; Single Op Overlays: Classic or Rookie; Multi-Single; Multi-Two; Multi-Unlimited
Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
Exchange: 48 States/Canada: RST, CQ Zone and state or VE area; All Others: RST and CQ Zone
Work stations: Once per band
QSO Points: 1 point per QSO with same country; 2 points per QSO with same continent; 3 points per QSO with different continent
Multipliers: Each US state/VE area once per band; Each DXCC/WAE country once per band; Each CQ zone once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 4 October 2019

E-mail logs to: rtyt@cqwww.com
Upload log at: www.cqwwrtty.com/logcheck/
Web-to-Cabrillo form: www.b4h.net/cabforms/cqwwrtty_cab.php
Mail logs to: Ed Muns, W0YK, PO Box 1877, Los Gatos, CA 95031-1877, USA
Find rules at: www.cqwwrtty.com/



Maine QSO Party
12:00 UTC 28 September to 12:00 UTC 29 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: CW, Phone
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high; Single Op Mobile - low; Multi-Single - low or high; Multi-Multi
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
Exchange: ME: RS(T) and county; non-ME: RS(T) and state, province or DX
Work stations: Once per band per mode
QSO Points: 2 points per QSO with ME stations; 1 point per QSO with non-ME stations
Multipliers: ME counties, states, provinces; DXCC countries once per band per mode
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 7 October 2019
E-mail logs to: maineqsoparty@gmail.com
Mail logs to: Wireless Society of Southern Maine, Maine QSO Party, c/o Thom Watson PO Box 6833, Scarborough, ME 04074, USA
Find rules at: www.ws1sm.com/MEQP.html

QCX Challenge
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 30 September and 03:00 - 04:00 UTC 1 October
Geographic Focus: Worldwide
Participation: Worldwide

Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Max power: HP: >5 watts; QRP: 5 watts
Exchange: RST, name, state, province or country and Rig
Work stations: Once per band
QSO Points: 3 points per QSO with QCX station;
3 1 point per QSO with non-QCX station
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 04:00 UTC 3 October 2019
Post log summary at: www.3830scores.com

Mail logs to: (none)
Find rules at: www.grp-labs.com/party.html



Next Week's Contests

QCX Challenge, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 30 September and 03:00 - 04:00 UTC 1 October
IQRP Quarterly Marathon, 08:00 UTC 1 October to 20:00 UTC 7 October
Phone Fray, 02:30 - 03:00 UTC 2 October
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 2 October and 03:00 - 04:00 UTC 3 October
UKEICC 80 m Contest, 20:00 - 21:00 UTC 2 October
German Telegraphy Contest, 07:00 - 10:00 UTC 3 October
SARL 80 m QSO Party, 17:00 - 20:00 UTC 3 October
NRAU 10 m Activity Contest, 17:00 - 18:00 UTC (CW) and 18:00 - 19:00 UTC (SSB) and 19:00 - 20:00 UTC (FM) and 20:00 - 21:00 UTC (Dig) 3 October
SKCC Sprint Europe, 19:00 - 21:00 UTC 3 October
NCCC RTTY Sprint, 01:45 - 02:15 UTC 4 October
NCCC Sprint, 02:30 - 03:00 UTC 4 October
TRC DX Contest, 06:00 UTC 5 October to 18:00 UTC 6 October
Oceania DX Phone Contest, 08:00 UTC 5 October to 08:00 UTC 6 October
Russian WW Digital Contest, 12:00 UTC 5 October to 11:59 UTC 6 October
YLRL DX/NA YL Contest, 14:00 UTC 5 October to 02:00 UTC 7 October
California QSO Party, 16:00 UTC 5 October to 22:00 UTC 6 October
International HELL-Contest, 16:00 - 18:00 UTC 5 October (80 m) and 09:00 - 11:00 UTC 6 October (40 m)
FISTS Fall Slow Speed Sprint, 17:00 - 21:00 UTC 5 October
SKCC QSO Party, 18:00 UTC 5 October to 18:00 UTC 6 October
RSGB DX Contest, 05:00 - 23:00 UTC 6 October
UBA ON SSB Contest, 06:00 - 09:00 UTC 6 October
Peanut Power QRP Sprint, 22:00 - 23:59 UTC 6 October
RSGB FT4 Contest Series, 19:00 - 19:59 UTC 7 October
ARS Spartan Sprint, 01:00 - 03:00 UTC 8 October

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, UIA-News, the RSGB News, DXCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter

"Can the SWR be too low?"